Electrical/Battery/Mechanical Protocols – Beauty Care

Click on BLUE to go directly to page

043 Personal Grooming Appliance (Rev. 08/15/2011).....2
044 Hair Cutter (Rev. 08/15/2011).....5
069 Hair Dryer (Rev. 08/15/2011).....8
2045 Hair Accessories (Rev. 11/16/2012).....11

Product includes: Hair Dryer, Curling Iron and similar appliances

Test requirements	Reference Method	Requirement
Document Review		
1. Labelling – Packaging or product	Uniform Labelling Regulation	Distributor's Name & Address (City, State & Zip) Product Identification
2. Country of origin marking (If imported)	NAFTA & FTCA / Sect. 5	Country Of Origin (If Imported)
3. Safety Certification Mark	Visual	Shall have valid UL or ETL listing. Verify listing by NRTL product directory with the sample's listing number and model number.
4. General Markings	UL 859, Cls 61	The following markings shall be legible and readily visible during use: - Manufacturer's name, trademark or etc. - Model number, type reference or etc. - Electrical rating - Date Code - Other markings required by standard
5. Cautionary Markings	UL 859, Cls 61	The cautionary or warning marking intended to inform the user of a potential risk of fire, electrical shock, or injury to persons shall be provided.
6. User Manual / Important Safety Instructions / Assembly Instructions	UL 859, Cls 62~66	Instructions and warnings shall be provided in the user manual identifying reasonable foreseeable uses or misuses of the product. It shall also include instructions regarding the installation, use, safety and maintenance. All accessories shall be described in the user's manual and provided with instructions for proper use
7. Parts Inventory	Visual	Shall meet label claims.
Construction Check		
8. Packing	Visual	No hazard when removing the packing
9. Workmanship	Visual	Shall have no major defects such as: - Cracks or breakage on provided accessories - Serious scratches on the external surface - Peeling of rating or caution / warning label
10. Mechanical Assembly	Visual Check	All mechanical parts shall be securely fixed and prevented from turning.
11. Internal Wiring	Visual Check	Wireways shall not allow wires to come in contact with sharp points, edges or moving parts.
12. Accessibility of Live Parts	UL 859, Cls 6.5.3	The enclosure of an appliance shall have no opening that permits a probe, as illustrated in Figure 6.1, to touch any part that involves a risk of electric shock.
13. Power Cord	UL 859, CLs 11.3.1.1 & 11.3.1.6	An appliance shall be provided with a length of flexible cord in accordance with Table 11.1 and an attachment plug for connection to the supply circuit. The flexible cord shall be of a type indicated in Table 11.2 or the equivalent.
14. Plug	Visual Check	Plug shall be 3-wire grounding type or 2-wire polarized attachment plug. For hair dryer: The product shall incorporate one of the following, a) GFCI b) IDCI c) Integral protective device of another type that de-energizes all current carrying parts when the hand-supported unit is immersed in water
Electrical Safety		
15. Component Check	Visual	If listing safety report provided, report any difference of component used in the sample and the listing report. Exclude plastic material, insulation material or other components without marking.

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Test requirements	Reference Method	Requirement
16. Dielectric Strength Test	UL 859, Cls 38	Appliance heated to its operating temperature, and is subjected for 1 min to a 60 hertz essentially sinusoidal potential 1000V applied between live parts and exposed dead-metal parts. There shall not be dielectric breakdown.
17. Leakage Current Test	UL 859, Cls. 31	The leakage current of a cord-connected portable, stationary, or fixed appliance, when tested in accordance with 31.3 – 31.7, shall be no more than: a) 0.5 milliampere for an ungrounded (two wire) portable, stationary, or fixed appliance; b) 0.5 milliampere for a grounded (three wire) portable appliance; and c) 0.75 milliampere for a grounded (three wire) stationary or fixed appliance.
18. Power Input Test	UL 859, Cls 36	The power input to an appliance shall comply with cls. 36.3, and shall be within the inclusive range of 90-110 percent of that rating.
19. Strain Relief	UL 859, Cls. 41	A pull force of 35lbf (155N) is to apply to the cord with the conductor terminals disconnected for 1 minute. No observable displacement or damage of the cord
20. Temperature Test on Accessible Parts	UL 859, Cls. 37.3	Under normal operating conditions, handle grasped for lifting or holding and other accessible surfaces shall not attain excessive temperature as follows: - Surface supporting a cord-connected appliance: 29K - Any point exposed to casual contact: 60K
21. Drop Test for Hand-Held Unit	In-house method	Functional shall operate as intended after the unit is dropped from 3 feet onto a hard wooden surface (3 times)
Fitness for Use		
22. Functional Check	Actual Use	All the major features shall be matched with the installation and use instructions and claims made on the packaging, with no inaccurate or misleading statements about the product, or any other user-friendliness problems.
23. Ease of Installation	Follow directions for installation in Instruction manual	Report relative ease of installation. Report if instructions pertaining to installation are complete and understandable. Parts shall be provided as claimed.
24. Ease of Cleaning	Follow Instructions or Wipe Gently with Damp Cloth	Follow the cleaning instruction. Removable parts shall be replaced easily and not causing any safety hazards.
Additional Test		
25. *With Child Appealing Features	DG-EA051	Shall meet the requirements in DG-EA051
26. *Chemical & Energy Efficiency test for all electrical items to California*	DG-EA065	Shall meet the requirements in DG-EA065 • All products containing CA Prop 65 warning label will be reported as FAILED.
27. Dollar General Certificate of Compliance - Toxics in packaging	Client requirement	Shall provide signed/ chopped document: Dollar General Toxics in Packaging Certificate of Compliance. Client requirement
28. *Volatile organic Substances (VOC)(if applicable)	GC-MS screening/US EPA method 5000 and 8021B / doc review	Product with solvent based-liquid (eg. Adhesive, paints, glues and etc.) shall not contain toxic aromatic compounds and hazard substances. GC-MS screening or US EPA method 5000 and 8021B In lieu of testing, test report can be submitted if dated within 1 year.

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* Additional Charge Item.

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Testing Charge & Sample Size & Turnaround Time

Turnaround time	7 working day	
Sample size	3 pieces	
Testing charge *:*		**Sample size**
Basic charge:	USD 250	
Additional charge:		
DG-EA051(US)	80 USD (exclude chemical test)	12 pieces
Chemical & Energy Efficiency test for all electrical items to California DG-EA065(US)	Subject to actual sample	Subject to actual sample

Remark: Additional samples and tests may be necessary subjected to the review by Intertek upon receipt of the sample.

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Test requirements	Reference Method	Requirement
Document Review		
1. Labelling – Packaging or product	Uniform Labelling Regulation	Distributor's Name & Address (City, State & Zip)
		Product Identification
2. Country of origin marking (If imported)	NAFTA & FTCA / Sect. 5	Country Of Origin (If Imported)
3. Safety Certification Mark	Visual	Shall have valid UL or ETL listing. Verify listing by NRTL product directory with the sample's listing number and model number.
4. General Markings	UL 1028, Cls. 54.1, 54.2 & 54.6	The following markings shall be legible and readily visible during use: - Manufacturer's name, trademark or etc. - Model number, type reference or etc. - Electrical rating - Date Code - Other markings required by standard
5. Cautionary Markings	UL 1028, Cls. 54.1, 54.2 & 54.6	The cautionary or warning marking intended to inform the user of a potential risk of fire, electrical shock, or injury to persons shall be provided.
6. User Manual / Important Safety Instructions / Assembly Instructions	UL 1028, Cls. 55~61	Instructions and warnings shall be provided in the user manual identifying reasonable foreseeable uses or misuses of the product. It shall also include instructions regarding the installation, use, safety and maintenance. All accessories shall be described in the user's manual and provided with instructions for proper use
7. Parts Inventory	Visual	Shall meet label claims.
Construction Check		
8. Packing	Visual	No hazard when removing the packing
9. Workmanship	Visual	Shall have no major defects such as: - Cracks or breakage on provided accessories - Serious scratches on the external surface - Peeling of rating or caution / warning label
10. Mechanical Assembly	Visual Check	All mechanical parts shall be securely fixed and prevented from turning.
11. Internal Wiring	Visual Check	Wireways shall not allow wires to come in contact with sharp points, edges or moving parts.
12. Accessibility of Live Parts	UL 1028, Cls. 10	An opening in an enclosure shall have a minor dimension less than 1 in (25.4 mm) and such a part or wire shall not be contacted by the probe illustrated in Figure 10.1.
13. Power Cord	UL 1028, Cls. 13.1.1.9 & 13.1.1.10	The length of a flexible cord for an appliance configuration shown in Figure 13.2 shall be as specified in Table 13.2. The flexible cord for an appliance configuration shown in Figure 13.2 shall be of a Type as specified in Table 13.2 or shall have properties such that it is at least equally as serviceable for the application.
14. Plug	UL 1028	Plug shall be 3-wire grounding type or 2-wire polarized attachment plug.
Electrical Safety		
15. Component Check	Visual	If listing safety report provided, report any difference of component used in the sample and the listing report. Exclude plastic material, insulation material or other components without marking.
16. Dielectric Strength Test	UL 1028, Cls. 39	Appliance heated to its operating temperature, and is subjected for 1 min to a 60 hertz essentially sinusoidal potential applied between live parts and exposed dead-metal parts. There shall not be dielectric breakdown.

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Test requirements	Reference Method	Requirement
17. Leakage Current Test	UL 1028, Cls. 32	The leakage current of a cord-connected portable, stationary, or fixed appliance, when tested in accordance with 31.3 – 31.7, shall be no more than: a) 0.5 milliampere for an ungrounded (two wire) portable, stationary, or fixed appliance; b) 0.5 milliampere for a grounded (three wire) portable appliance; and c) 0.75 milliampere for a grounded (three wire) stationary or fixed appliance.
18. Power Input Test	UL 1028, Cls. 36.3	The current or wattage input to an appliance shall not be more than 110 percent of the rated value when the appliance is operated under the condition of maximum normal load as described in standard.
19. Strain Relief Test	UL 1028, Cls. 46	The strain relief means provided on an attached flexible cord shall withstand for 1 min without displacement a direct pull of 35 lbf (156 N) applied to the cord, with the connections within the appliance disconnected. The strain relief is not acceptable if, at the point of disconnection of the conductors, there is such movement of the cord as to indicate that stress would have resulted on the connections.
20. Temperature Test on Accessible Parts	UL 1028, Cls. 37	Under normal operating conditions, handle grasped for lifting or holding and other accessible surfaces shall not attain excessive temperature as follows: - Outer surface: 257ºF (125ºC)
21. Drop Test for Hand-Held Unit	In-house method	Functional shall operate as intended after the unit is dropped from 3 feet onto a hard wooden surface (3 times)
Fitness for Use		
22. Functional Check	Actual Use	All the major features shall be matched with the installation and use instructions and claims made on the packaging, with no inaccurate or misleading statements about the product, or any other user-friendliness problems.
23. Ease of Installation	Follow directions for installation in Instruction manual	Report relative ease of installation. Report if instructions pertaining to installation are complete and understandable. Parts shall be provided as claimed.
24. Ease of Cleaning	Follow Instructions or Wipe Gently with Damp Cloth	Follow the cleaning instruction. Removable parts shall be replaced easily and not causing any safety hazards.
Additional Test		
25. *With Child Appealing Features	DG-EA051	Shall meet the requirements in DG-EA051
26. *Chemical & Energy Efficiency test for all electrical items to California	DG-EA065	Shall meet the requirements in DG-EA065 • All products containing CA Prop 65 warning label will be reported as FAILED.
27. Dollar General Certificate of Compliance - Toxics in packaging	Client requirement	Shall provide signed/ chopped document: Dollar General Toxics in Packaging Certificate of Compliance. Client requirement
28. *Volatile organic Substances (VOC)(if applicable)	GC-MS screening/US EPA method 5000 and 8021B / doc review	Product with solvent based-liquid (eg. Adhesive, paints, glues and etc.) shall not contain toxic aromatic compounds and hazard substances. GC-MS screening or US EPA method 5000 and 8021B In lieu of testing, test report can be submitted if dated within 1 year.

* Additional Charge Item.

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Testing Charge & Sample Size & Turnaround Time

Turnaround time	7 working day	
Sample size	3 pieces	
Testing charge *:*		**Sample size**
Basic charge:	USD 250	
Additional charge:		
DG-EA051(US)	80 USD (exclude chemical test)	12 pieces
Chemical & Energy Efficiency test for all electrical items to California DG-EA065(US)	Subject to actual sample	Subject to actual sample

Remark: Additional samples and tests may be necessary subjected to the review by Intertek upon receipt of the sample.

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Test requirements	Reference Method	Requirement
Document Review		
1. Labelling – Packaging or product	Uniform Labelling Regulation	Distributor's Name & Address (City, State & Zip)
		Product Identification
2. Country of origin marking (If imported)	NAFTA & FTCA / Sect. 5	Country Of Origin (If Imported)
3. Safety Certification Mark	Visual	Shall have valid UL or ETL listing. Verify listing by NRTL product directory with the sample's listing number and model number.
4. General & Cautionary Markings	UL 859, Cls 60-61	The following markings shall be legible and readily visible during use: - Manufacturer's name, trademark or etc. - Model number, type reference or etc. - Electrical rating - Date Code - Other markings required by standard The cautionary or warning marking intended to inform the user of a potential risk of fire, electrical shock, or injury to persons shall be provided.
5. User Manual / Important Safety Instructions / Assembly Instructions	UL 859, Cls 62~66	Instructions and warnings shall be provided in the user manual identifying reasonable foreseeable uses or misuses of the product. It shall also include instructions regarding the installation, use, safety and maintenance. All accessories shall be described in the user's manual and provided with instructions for proper use
6. Parts Inventory	Visual	Shall meet label claims.
7. FCC Part 15 rules	Document Check	FCC part 15 report shall be provided for verification if the operating frequency > 9kHz for AC, or operating frequency > 1.705MHz for Battery operated product.
8. FCC Part 15 marking and instruction	Visual	Marking shall include, - "This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation." Instruction manual shall include, - "Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment." - "NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: ■ Reorient or relocate the receiving antenna. ■ Increase the separation between the equipment and receiver. ■ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. ■ Consult the dealer or an experienced radio/TV technician for help."

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Test requirements	Reference Method	Requirement
Construction Check		
9. Packing	Visual	No hazard when removing the packing
10. Workmanship	Visual	Shall have no major defects such as: - Cracks or breakage on provided accessories - Serious scratches on the external surface - Peeling of rating or caution / warning label
11. Mechanical Assembly	Visual Check	All mechanical parts shall be securely fixed and prevented from turning.
12. Internal Wiring	Visual Check	Wireways shall not allow wires to come in contact with sharp points, edges or moving parts.
13. Accessibility of Live Parts	UL 859, Cls 6.5.3	The enclosure of an appliance shall have no opening that permits a probe, as illustrated in Figure 6.1, to touch any part that involves a risk of electric shock.
14. Power Cord	UL 859, Cls 11.3.1.1 & 11.3.1.6	An appliance shall be provided with a length of flexible cord in accordance with Table 11.1 and an attachment plug for connection to the supply circuit. The flexible cord shall be of a type indicated in Table 11.2 or the equivalent.
15. Plug	UL 859 Cls 11.3.17	Plug shall be 3-wire grounding type or 2-wire polarized attachment plug.
Electrical Safety		
16. Component Check	Visual	If listing safety report provided, report any difference of component used in the sample and the listing report. Exclude plastic material, insulation material or other components without marking.
17. Dielectric Strength Test	UL 859, Cls 38	Appliance heated to its operating temperature, and is subjected for 1 min to a 60 hertz essentially sinusoidal potential 1000V applied between live parts and exposed dead-metal parts. There shall not be dielectric breakdown.
18. Leakage Current Test	UL 859, Cls. 31	The leakage current of a cord-connected portable, stationary, or fixed appliance, when tested in accordance with 31.3 – 31.7, shall be no more than: a) 0.5 milliampere for an ungrounded (two wire) portable, stationary, or fixed appliance; b) 0.5 milliampere for a grounded (three wire) portable appliance; and c) 0.75 milliampere for a grounded (three wire) stationary or fixed appliance.
19. Power Input Test	UL 859, Cls 36	The power input to an appliance shall comply with Cls. 36.3, and shall be within the inclusive range of 90-110 percent of that rating.
20. Strain Relief Test	UL 859 Cls 41	The strain relief device withstands a 35-lb (156-N) pull force [20-lb (89-N) force for appliances weighing 0.5-lb (0.23-kg) or less without cord] applied for one (1) minute in any direction without transmitting the pull to terminals, splices or internal wiring
21. Temperature Test on Accessible Parts	UL 859, Cls 37.5	Under normal operating conditions, handle grasped for lifting or holding and other accessible surfaces shall not attain excessive temperature as follows: -Handle: 90℉ (50℃) -Switches: 108℉ (60℃) - Enclosure when measured 0.5-in (12.7-mm) from outlet: 126℉ (70℃)
22. Abnormal Test	UL 859, Cls 39.3.1	A hand-supported hair dryer is to be placed on a flat, horizontal, softwood surface covered with two layers of white tissue paper, and operated until constant temperatures are attained. During this test, both the heating element and the blower are to be operating. The position of the dryer is to be such (considering the possibilities of actual service) that the maximum temperature will be produced on the paper-covered supporting surface. The temperature rise on the paper shall not exceed 125°C (225℉).

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Test requirements	Reference Method	Requirement
23. Drop Test for Hand-Held Unit	In-house method	Functional shall operate as intended after the unit is dropped from 3 feet onto a hard wooden surface (3 times)
Fitness for Use		
24. Functional Check	Actual Use	All the major features shall be matched with the installation and use instructions and claims made on the packaging, with no inaccurate or misleading statements about the product, or any other user-friendliness problems.
25. Ease of Installation 26.	Actual use	Report relative ease of installation. Report if instructions pertaining to installation are complete and understandable. Parts shall be provided as claimed.
27. Ease of Cleaning	Actual use	Follow the cleaning instruction. Removable parts shall be replaced easily and not causing any safety hazards.
28. Durability of Switches	In-house method	Switches shall continue to function correctly after 200 cycles of operations.
Additional Test		
29. *With Child Appealing Features	DG-EA051	Shall meet the requirements in DG-EA051
30. *Chemical & Energy Efficiency test for all electrical items to California	DG-EA065	Shall meet the requirements in DG-EA065 • All products containing CA Prop 65 warning label will be reported as FAILED.
31. Dollar General Certificate of Compliance - Toxics in packaging	Client requirement	Shall provide signed/ chopped document: Dollar General Toxics in Packaging Certificate of Compliance. Client requirement
32. *Volatile organic Substances (VOC)(if applicable)	GC-MS screening/US EPA method 5000 and 8021B / doc review	Product with solvent based-liquid (eg. Adhesive, paints, glues and etc.) shall not contain toxic aromatic compounds and hazard substances. GC-MS screening or US EPA method 5000 and 8021B In lieu of testing, test report can be submitted if dated within 1 year.

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* Additional Charge Item.

Testing Charge & Sample Size & Turnaround Time

Turnaround time	7 working day	
Sample size	3 pieces	
Testing charge *:*		**Sample size**
Basic charge:	USD 350	
Additional charge:		
DG-EA051(US)	80 USD (exclude chemical test)	12 pieces
Chemical & Energy Efficiency test for all electrical items to California DG-EA065(US)	Subject to actual sample	Subject to actual sample

Remark: Additional samples and tests may be necessary subjected to the review by Intertek upon receipt of the sample.

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BV Lab Number:
Technician Name:
Test Date:
Reviewed By/Date:

DOLLAR GENERAL CORPORATION TEST PROTOCOL FOR

DGEN - 02045 - US
HAIR ACCESSORIES (HAIR / BOBBY PINS / CLIPS) (ADULT) (V7)

Evaluation	Citation / Method	No. of Samples	Criteria	PPR	VT	Results	Rating
SUPPLEMENTAL PROTOCOLS							
* California Proposition 65	DGEN-AN-PTCL-06572-US	-	The sample should be reviewed against the requirements of California Proposition 65 to determine if additional testing or labeling is required.	**X**			
LABELING							
** One Time Use Products - Fair Packaging and Labeling Act - or all other products - Uniform Packaging and Labeling Regulations	F.P. and L. Act (16 CFR 500) OR NIST Uniform Laws and Regulations Handbook 130	1	Manufacturer, Packer, or Distributor's Name & Address (City, State & Zip)	**X**			
** One Time Use Products - Fair Packaging and Labeling Act - or all other products - Uniform Packaging and Labeling Regulations	F.P. and L. Act (16 CFR 500) OR NIST Uniform Laws and Regulations Handbook 130	1	Net quantity of contents shall be expressed in terms of weight or mass, measure, numerical count, or combination so as to give accurate information to facilitate consumer comparison (U.S. and metric units).	**X**			
** One Time Use Products - Fair Packaging and Labeling Act - or all other products - Uniform Packaging and Labeling Regulations	F.P. and L. Act (16 CFR 500) OR NIST Uniform Laws and Regulations Handbook 130	1	Product Identification (Critical)	**X**			
** Country Of Origin	19 CFR 134	1	Shall indicate country of origin legibly, permanently, and in comparable size and close proximity to any mention of country other than country in which the article was manufactured or produced. Must be visible at point of purchase.	**X**			
Use labeling	CPSD-HL-01057-MTHD / Visual	1	Use / care instructions that are clear and understandable shall be provided in language appropriate to destination countries, if applicable.				
Dollar General Certificate of Compliance - Toxics in packaging	CPSD-GB-00001-MTHD / Client requirement	-	Shall provide signed / chopped document: Dollar General Toxics in Packaging Certificate of Compliance. Client requirement	**X**			

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DGEN - 02045 - US
HAIR ACCESSORIES (HAIR / BOBBY PINS / CLIPS) (ADULT) (V7)

Evaluation	Citation / Method	No. of Samples	Criteria	PPR	VT	Results	Rating
ANALYTICAL							
* Nickel spot test	PD CR 12471:2002 / CPSD-AN-00013-MTHD	2	[Qualitative] [Finished products only] [Skin contact] Skin contact metal components - negative test results NOTE: Only if claimed nickel free				
# Nickel release	94/27/EC / 2004/96/EC / EN 1811 / EN 12472 / CPSD-AN-00014-MTHD	3	[OPTIONAL TEST] [By Request Only] [On request only and for components only] Cannot exceed 0.5 micrograms / cm^2 per week				
# AZO Colorants	2002/61/EC / 2004/21/EC / CPSD-AN-00015-MTHD / CPSD-AN-00016-MTHDC / CPSD-AN-00017-MTHD	1	[OPTIONAL TEST] [By Request Only] [Applicable components with potential skin contact] GC / MS **Max. 3 colors tested @ once, if positive, EA will be tested separately and EA color charged separately				

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DGEN - 02045 - US
HAIR ACCESSORIES (HAIR / BOBBY PINS / CLIPS) (ADULT) (V7)

Evaluation	Citation / Method	No. of Samples	Criteria	PPR	VT	Results	Rating
* Soluble heavy metal contents in surface coatings	CPSD-AN-00003-MTHD / CPSD-AN-00164-MTHD	1	All accessible surface coatings, before and after use and abuse testing, on: - toys intended for children up to age 14; - child care articles; - children's food contact items; - all jewelries (including jewelry making craft kits) shall comply with the following limits: Antimony (Sb) 60 mg/kg, Arsenic (As) 25 mg/kg, Barium (Ba) 1000 mg/kg, Cadmium (Cd) 75 mg/kg, Chromium (Cr) 60 mg/kg, Lead (Pb) 40 mg/kg, Mercury (Hg) 60 mg/kg, Selenium (Se) 500 mg/kg. Report actual results or include data table within report. Note: - Children's food contact items mean food contact articles intended for children up to 14 years of age. - For coating on toys intended for children up to age 14, soluble heavy metal testing is conduct directly. Report of ASTM F963 will be issued with note in report "Soluble lead (Pb) requirement is reduced to 40ppm as per client requirement." - For coating on products other than toys, screening of 8 total heavy metals is conduct first and no compositing is allowed. If any of the above heavy metal(s) is/are detected exceed the require limit, soluble heavy metal testing will be proceed. - For soluble heavy metal testing, test method and reporting rules (e.g., application of correction factor) from ASTM F963-08 section 4.3.5.2 and 8.3 are applied. - Excluding Ride-on /bicycle wheels, tubes and tires; stroller wheels, tubes and tires; writing instrument nibs; car seat buckles; keyed locks and keys. Client requirement				

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DGEN - 02045 - US
HAIR ACCESSORIES (HAIR / BOBBY PINS / CLIPS) (ADULT) (V7)

Evaluation	Citation / Method	No. of Samples	Criteria	PPR	VT	Results	Rating
FLAMMABILITY							
Flammability of solids	16 CFR 1500.3 (c) (6) (vi) / 16 CFR 1500.44	1	Shall not exceed the maximum allowable limit of no greater than 0.1 inches per second If warning statement about flammability is presented on the package, provide exhibit photo in report.				
PHYSICAL CHARACTERISTICS							
Dimensions	CPSD-HL-01056-MTHD / Standard measure	1	Report overall dimensions; shall meet label claims (If applicable) (-0% / +5%).			**C:** **R:**	
Weight - average - total	CPSD-HL-01056-MTHD / Standard measure	1	Report overall weight; shall meet label claims (If applicable) (-0% / +5%).			**C:** **R:**	
Number of Pieces	CPSD-HL-01057-MTHD / Visual	1	Report overall number of pieces; shall meet label claims (If applicable) (-0% / +5%).			**C:** **R:**	
Parts Inventory	CPSD-HL-01057-MTHD / Visual	1	Shall meet label claims.			**C:** **R:**	
WORKMANSHIP							
Defects	CPSD-HL-01057-MTHD / Visual	All	Shall have no components missing, malformed, and / or fractured.				
Defects	CPSD-HL-01057-MTHD / Visual	All	Shall have no discernible surface degradation, including crazing, shivering, denting, bubbles, cracks, stains, deformations, chips, fractures, heavy lines, waves, shear marks, scratches, scuff marks, indentations, or blisters.				
PERFORMANCE							
Actual use - functionality - not covered by other tests	CPSD-HL-01058-MTHD / Actual use	1	Shall function as intended as received. Report details of evaluation (Materials used / features tested / consumables / method / etc.)				
Durability - clasping	CPSD-HL-01058-MTHD / Actual use	2	Adequate for use / no failure after repeated use (100 times cycling; open / close)				
Torque test for removal of components	ASTM F963-07 section 8.8 modified	1	Must withstand 4.2 in - l. with no failure Modification = 4.2 in - lb and expanded scope to other products				

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DGEN - 02045 - US
HAIR ACCESSORIES (HAIR / BOBBY PINS / CLIPS) (ADULT) (V7)

Evaluation	Citation / Method	No. of Samples	Criteria	PPR	VT	Results	Rating
Tension Test For Removal of Components	ASTM F963-07 section 8.9 modified	1	Must withstand 15 lbf. for 10 s with no failure Modification = Expanded scope to other product				
COLORFASTNESS							
* Colorfastness to crocking	AATCC 8	1	[DRY] Class 4.0 Miniimum				
* Colorfastness to crocking	AATCC 8	1	[WET] Class 3.0 Minimum				
* Colorfastness to rotary crocking	AATCC 116	1	[DRY] Class 4.0 Minimum				
* Colorfastness to rotary crocking	AATCC 116	1	[WET] Class 3.0 Minimum				
* Colorfastness to perspiration	AATCC 15-07	1	[All Colors] Class 3.0 Minimum				
* Colorfastness to water	AATCC 107	1	[Textile] Class 4.0 minimum				

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Remark:
PPR - Pre-Production Review
VT - Verification Test

Key:
* Additional Charge For This Test
** Mandatory Requirement
# By Request Only

Result Key:
C Claimed
R Recorded

BV Lab Number:
Technician Name:
Test Date:
Reviewed By/Date:

M	Meets
NM	Does Not Meet
NA	Not Applicable
NT	Not Tested

Rating Key:

INCOMPLETE	Incomplete (PPT Rating Only)
COMPLETE	Complete (PPT Rating Only)
GOOD	Good
UNSAT	Unsatisfactory

No. Of Samples Required for Complete Testing	6
No. Of (Fully Packed) Cartons For Transit Testing:	1
No. Of Working Days For Complete Testing:	7

Client Approval:	OCTOBER 24, 2012 / Paul Sahutske
Creation Date:	OCTOBER 08, 2010
Last Revision Date:	OCTOBER 30, 2012
Pricing Review Date:	
Technical Review Date:	

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